



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 4

**Complete if Known**

Application Number	10/804,810
Filing Date	March 19, 2004
First Named Inventor	Jonathan J. Wierer Jr.
Art Unit	2818
Examiner Name	Ho, Tu Tu V
Attorney Docket Number	LUM-03-05-01

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
TH		US- 2002/0130311 A1	9-19-2002	Lieber et al.	
		US- 2003/0089899 A1	5-15-2003	Lieber et al.	
		US- 2004/0213307 A1	10-28-2004	Lieber et al.	
		US- 6,770,353 B1	8-3-2004	Mardilovich et al.	
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TH		US- 2004/0109644 A1	6-10-2004	Assefa et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
TH		WO 2004/004927 A2	1-15-2004	BTG International		
		WO 2004/032193 A2	4-15-2004	Nanosys, Inc.		
		WO 2004/034025 A2	4-22-2004	Nanosys, Inc.		
		WO 2004/038767 A2	5-6-2004	President and Fellows		
		EP 0 874 405 A2	10-28-1998	Mitsubishi Cable Ind.		
TH		WO 03/023857 A2	3-20-2003	Luca Ag		

Examiner Signature TH - TH + HO

Date  
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Sept 2005

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Sheet	2	of	4		

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TH		EP 1 071 143 A1	1-24-2001	Mitsubishi Cable Ind.	

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He		M. FUJITA et al., "Organic light-emitting diode with ITO/organic photonic crystal," Electronics Letters, 27th November 2003, Vol. 39, No. 24, 2 pages.	
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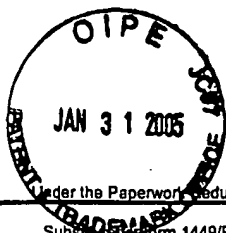
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	Not yet assigned
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		First Named Inventor	Jonathan J. Wierer,
		Art Unit	Not yet assigned
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TH		HWA-MOK KIM, et al., "Nanoscale Ultraviolet-Light-Emitting Diodes Using Wide-Bandgap Gallium Nitride Nanorods," Adv. Mater. 2003, 15, No. 7-8, April 17, WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, pp. 567 to 569.	
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Examiner Signature	TH - TH HO	Date Considered	Sept 2005
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Substitution Form 1449/PTO

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STATEMENT BY APPLICANT**

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Application Number	10/804,810
Filing Date	March 19, 2004
First Named Inventor	Jonathan J. Wierer Jr.
Art Unit	2879-2818
Examiner Name	Not yet known
Attorney Docket Number	LUM-03-05-01

Sheet 1 of 3

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TH		US- 5,779,924	7-14-1998	Krames et al.	
		US- 2004/0016936 A1	1-29-2004	Tanaka et al.	
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		US- 6,335,548	1-1-2002	Roberts et al.	
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**FOREIGN PATENT DOCUMENTS**

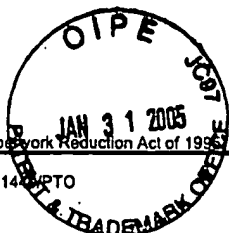
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TH		JP 07176788	7-1995	Kurahashi		

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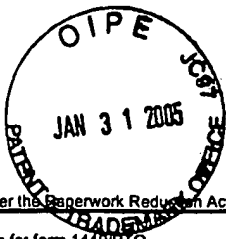
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TH		Vuckovic et al., "Surface Plasmon Enhanced Light Emitting Diode," Journal of Quantum Electronics, Vol. 36, 2000, pp. 1-13.	

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TH		Tredicucci et al., "Single-mode surface-plasmon laser," Applied Physics Letters, Vol. 76, No. 16, April 17, 2000, pp. 2164-2166.	
TH		Imada et al., "Coherent two-dimensional lasing action in surface-emitting laser with triangular-lattice photonic crystal structure," Applied Physics Letters, Vol. 75, No. 3, July 19, 1999, pp. 316-318.	
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TH		US Patent Application Serial No. 10/691,026, filed October 21, 2003, entitled "Photonic Crystal Light Emitting Device," 30 pages.	

Examiner Signature	TH TH TH	Date Considered	Sept 2005
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Application Number	<del>Not yet assigned</del> 10/804,810
Filing Date	March 19, 2004
First Named Inventor	Jonathan J. Wierer, Jr.
Art Unit	<del>Not yet assigned</del> 2818
Examiner Name	Not yet assigned
Attorney Docket Number	LUM-03-05-01

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
TH		EP 1 385 215 A2	1-28-2004	Nichia Corp.		

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE  STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	Not yet assigned 10/804,810		
		Filing Date	March 19, 2004		
		First Named Inventor	Jonathan J. Wierer,		
		Art Unit	Not yet assigned 2818		
		Examiner Name	Not yet assigned		
Sheet		of		Attorney Docket Number	LUM-03-05-01

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JH		P.A. KOHL, "Photoelectrochemical etching of semiconductors", IBM J. Res. Develop., Vol. 42, No. 5, 5 September 1998, pp. 629-637.	
		Chen-Fu CHU et al., "Comparison of p-Side Down and p-Side Up GaN Light-Emitting Diodes Fabricated by Laser Lift-Off", Jpn. J. Appl. Phys., Vol. 42 (2003), Part 2, NO. 2B, 15 February 2003, pp. L147-L150.	
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		Y.-K. SONG et al., "Resonant-cavity InGaN quantum-well blue light-emitting diodes", Applied Physics Letters, Vol. 77, No. 12, 18 September 2000, pp. 1744-1746.	
JH		Michael R. KRAMES et al., U.S. Application No. 10/059,588, filed January 28, 2002, entitled: "LED Efficiency Using Photonic Crystal Structure". 62 pages.	
		Jonathan J. Wierer Jr., U.S. Application No. 10/691,026 filed 10/21/03, entitled: "Photonic Crystal Light Emitting Device", 30 pages.	

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